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Application No. 09/845,396
Reply to Office Action of July 7, 2010

PATENT
Attorney Docket No. CU-8502

Amendments to the Claims

The listing of claims presented below will replace all prior versions, and listings, of claims in the application.

Listing of claims:

1. -116. (Cancelled)

117. (Currently amended) A process for online invoice presentment and processing, comprising:

- a. generating at a biller entity a database record, the database record containing a plurality of data elements related to an invoice for a service rendered to a customer entity, the data elements including:
 - i. an invoice number data element;
 - ii. amount billed data element;
 - iii. date of the invoice data element;
 - iv. invoice approval status data element;
 - v. invoice payment authorization status data element;
- b. electronically transmitting a plurality of the data elements from the database record to a remote computer unit associated with the customer entity;
- c. receiving at the remote computer unit user credentials data supplied by a user;
- d. processing the data elements with the computer unit and rendering an image of the invoice at a display of the computer unit to provide the user with a visual representation of the invoice;
- e. providing at the computer unit a dynamically adaptable user interface, the user interface having at least two selectively deactivatable input options, wherein:
 - i. a selection of the first input option indicating that the user at the computer unit has approved the invoice;

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- ii. a selection of the second input option at the computer unit indicating that the user has authorized payment of the invoice;
 - f. while the user is provided with a visual representation of the invoice, selectively deactivating:
 - i. the first input option ~~on the basis of~~ based on the user credentials data when the user credentials data indicates that the user does not possess invoice approval privileges;
 - ii. the second input option ~~on the basis of~~ based on the user credentials data when the user credentials data indicates that the user does not possess payment authorization privileges;
 - iii. the second input option ~~on the basis of~~ based on information in the invoice approval status data element, wherein the information in the invoice approval status data element indicates that the invoice has not been approved;
 - g. in response to selection by the user of the first input option, transmitting data from the computer unit to the database to modify the invoice approval status data element to indicate that the payment of the invoice has been approved.
118. (Currently amended) The process of claim 117, further comprising selectively deactivating the first input option ~~on the basis of~~ based on the user credentials data when the user credentials data indicates that the user does not possess invoice approval privileges while possessing invoice payment authorization privileges.
119. (Currently amended) The process of claim 117, further comprising selectively deactivating the second input option ~~on the basis of~~ based on the user credentials data when the user credentials data indicates that the user does not possess invoice payment authorization privileges while possessing invoice approval privileges.
120. (Previously presented) The process of claim 117, further comprising in response

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to selection by the user of the second input option, transmitting data from the computer unit to the database to modify the invoice payment authorization status data element to indicate that the payment of the invoice has been authorized.

121. (Previously presented) The process of claim 117, wherein the user credentials data conveys a password.
122. (Previously presented) The process of claim 117, further comprising displaying on the display of the computer unit a list of entries, each entry being associated with an invoice.
123. (Currently amended) The process of claim 117, further comprising electronically transmitting the plurality of data elements from the database to the remote computer over a public data network ~~the Internet~~.
124. (Currently amended) A computing apparatus, comprising:
- a. ~~an I/O for~~ a communication port for connection to a data network for receiving and for transmitting data;
 - b. a processor;
 - c. a machine readable storage including program code for execution by the processor;
 - d. a display
 - e. the program code implementing:
 - i. ~~an Internet browser~~ a browser element allowing a user at the computing apparatus to access a web site which renders on the display an image of the invoice to provide the user with a visual representation of the invoice;
 - ii. a dynamically adaptable user interface, the user interface having at least two selectively deactivatable input options, wherein:
 1. a selection of the first input option indicating that the user at the

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- computing apparatus has approved the invoice;
2. a selection of the second input option at the computing apparatus indicating that the user has authorized payment of the invoice;
 - iii. while the image of the invoice is rendered on the display, the dynamically adaptable user interface selectively deactivating:
 1. the first input option ~~on the basis of~~ based on user credentials data entered by the user at the computing apparatus, when the user credentials data indicates that the user does not possess invoice approval privileges;
 2. the second input options ~~on the basis of~~ based on the user credentials data when the user credentials data indicates that the user does not possess payment authorization privileges;
 3. the second input option ~~on the basis of~~ based on data received via ~~the I/O~~ the communication port from a remote database indicating that the invoice has not been approved.
125. (Currently amended) The computing apparatus of claim 124, wherein in response to selection by the user of the first input option, the program code causing the computing apparatus to transmit via ~~the I/O~~ the communication port data to a remote database to modify a record in the database for indicating that the invoice has been approved.
126. (Currently amended) The computing apparatus of claim 124, wherein the first input option is selectively deactivated ~~on the basis of~~ based on the user credentials data when the user credentials data indicates that the user does not possess invoice approval privileges while possessing invoice payment authorization privileges.
127. (Currently amended) The computing apparatus of claim 124, wherein the second

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input option is selectively deactivated ~~on the basis of~~ based on the user credentials data when the user credentials data indicates that the user does not possess invoice payment authorization privileges while possessing invoice approval privileges.

128. (Currently amended) A computing apparatus as defined in claim 124, wherein the user ~~credentials'~~ credentials data conveys a password.